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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/623,778	07/21/2003	Brent W. Pankey 65,277-000		6103	
27305	7590 01/22/2004	EXAMINER			
HOWARD &	& HOWARD ATTOR	FAYYAZ, NASHMIYA SAQIB			
THE PINEHURST OFFICE CENTER, SUITE #101 39400 WOODWARD AVENUE			ART UNIT	PAPER NUMBER	
BLOOMFIELD HILLS. MI 48304-5151			2856		

DATE MAILED: 01/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Application No.   16/623,778										
Examiner   Art Unit   2856			Application No		Applicant(s)					
Nashmiya S. Fayyaz   2856	Office Action Summary		10/623,778	,	PANKEY ET AL.					
The MALLING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Educations of time rapty exhibite under the provision of 37 CFR 173(s), in no event, however, may a reply be timely filed with the state of the provision of the provis			Examiner		Art Unit					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Edunations of times may be available under the provisions of 37 CFR 1.130(a). In no event, however, may a raply be timely filed  - If the period to raply specified above, the maximum statutory period vill apply and vill organ SUK (5) MONTH(S from the mailing date of the communication of their (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period vill apply and vill organ SUK (6) MONTHS from the mailing date of the communication.  - Faither is reply when the set or securised period for regive is settled period for regive is specified above, the maximum statutory period vill apply and vill organ SUK (6) MONTHS from the mailing date of the communication, even if innexy floor, may reduce any commend plates from adjustment. See 37 CFR 1.704(b).  - Status  1) Responsive to communication(s) filled on			<u> </u>							
THE MAILING DATE OF THIS COMMUNICATION.  Estambasics of time may be available under the provisions of 37 CPR 1.136(a). In no event, however, may a reply be timely filed after SX (6) MONTHS from the mailing date of this communication.  If the peaco for noty specified above is lause than Microbian specified from the state of the communication.  Failure is reply within the set or octanded period for reply will be a stated by the state of the communication.  Failure is reply within the set or octanded period for reply will be a state of the state of										
2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-30 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) 1-30 is/are rejected.  7)  Claim(s) is/are allowed.  6)  Claim(s) 1-30 is/are rejected to.  8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a), Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. §§ 119 and 120  12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some O None of:  1.  Certified copies of the priority documents have been received.  2.  Certified copies of the priority documents have been received in Application No.  3.  Copies of the certified copies of the priority documents have been received in Application No.  3.  Copies of the certified copies of the priority documents have been received in Application Data Sheet.  37 CFR 1.78.  3.  The translation of the foreign language provisional application has been received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet.  37 CFR 1.78.  Attachment(s)  1  Interview Summary (PTO-413) Paper No(s).  5  Notice of Informal Patent Application (PTO-15	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
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Art Unit: 2856

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-30 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

In the disclosure, it is unclear what is meant by a number of time intervals that occur between a first and second time are counted, or second and third time are counted. How are there multiple time intervals between peaks and then how are they counted? Further, it is unclear what is meant by a "point process equation" and what is a "point process"? Also, what determines the so-called "first time", "second time" etc.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-30 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, how do you count the "number" of "time intervals"?

In claim 5, "the intermediate rain rates" lack clear antecedent basis.

In claims 3, 6, and 7, "the derivative" lacks antecedent basis.

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In claims 10-12, etc. what is "v"?

In claim 30, it is unclear what the "intervals" are used for or how the "rain rate" is determined.

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 2 and 27-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kato et al - U.S. Patent #5,119,002 in view of Obradovich- U.S. Patent #6,275,231.

As to claims 1, 2 and 27-30 as best understood, Kato et al. disclose a raindrop detector and method for sensing rain including employing a vibration sensor 11 for sensing vibrations caused by rain and outputting a vibration signal as rainfall data to controller 12 which calculates an intermittent period T= K/R based on the output from the vibration sensor 11, i.e. a point process equation as a measure of the rain rate to control wiper motion, see col. 3, lines 2 et seq. However, Kato et al. lacks a teaching for using "peaks" of the signal. In a closely related prior art device, Obradovich discloses a wiper control system 139 which includes sensors to determine the intensity of vibration of the windshield and the frequency of vibration of those with an intensity above a predetermined threshold, see col. 16, lines 35 et seq. Therefore, it would have been obvious to one of ordinary still in the art at the time of the invention to have used a certain

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threshold in the Kato method to determine peaks in the vibration signals as by Obradovich so as to account for "normal windshield vibration" of a moving vehicle, as disclosed by Obradovich.

4. Claims 3-26 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

5. Any inquiry concerning this communication should be directed to N. Fayyaz at telephone number (703) 305-4891.

N FAYYAZ/ac

01/02/04

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